

PART 6 BLUETOOTH® HANDSFREE

Deleting a paired phone



1. Press the **Settings** button on the PHONE screen.



2. Press the **Pairings** button on the Settings screen.



3. The list of currently paired phones will be displayed. Select the phone you wish to delete from the list and press the **Delete** button.



4. A pop-up asking whether you wish to delete the paired phone will be displayed. Press the **Yes** button to delete the paired phone and the **No** button to cancel.

CAUTION!

A mobile phone cannot be deleted if it is currently connected to the car system. To delete the phone, first disconnect the mobile phone and try again.

Connecting a mobile phone



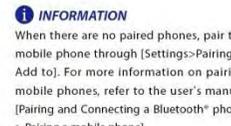
1. Press the **Settings** button on the PHONE screen.



2. Press the **Connections** button on the Settings screen.



3. The list of currently paired phones will be displayed. Select the phone you wish to connect from the list and press the **Connect** button.



4. The Bluetooth® connection between the car system and mobile phone will start.

INFORMATION

When there are no paired phones, pair the mobile phone through [Settings>Pairings>Add to]. For more information on pairing mobile phones, refer to the user's manual [Pairing and Connecting a Bluetooth® phone > Pairing a mobile phone].



5. Once Bluetooth® connection is successful, the name of the connected mobile phone will become displayed on the PHONE screen and Bluetooth® handsfree functions will operate.

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4. If the connection between the mobile phone and Bluetooth® fails, the following pop-up will be displayed. If problems occur while connecting Bluetooth®, check for the following conditions.

- Whether the mobile phone you wish to connect is in the vicinity of the car system
- Whether the power of the mobile phone Bluetooth® has been turned off
- Whether the mobile phone Bluetooth® has been set to hidden state
- Whether there are Bluetooth® compatibility issues between the car system and another mobile phone

Disconnecting a mobile phone



1. Press the **Settings** button on the PHONE screen.



2. Press the **Connections** button on the Settings screen.



3. The list of currently paired phones will be displayed. Select the phone you wish to disconnect from the list and press the **Disconnect** button.



4. pop-up asking whether you wish to disconnect the mobile phone will be displayed. Press the **Yes** button to disconnect the mobile phone and the **No** button to cancel.

Bluetooth® Handsfree screen layout

Bluetooth® Handsfree screen and functions

When there is no mobile phone connected



1 Settings : the user can set desired settings for the Bluetooth® handsfree, such as pair/delete mobile phone, connect/ disconnect mobile phone, set call volume, change device name and change passkey.

When a mobile phone is connected



- 2 Phone battery charge status : displays the battery charge status of the connected mobile phone. The battery charge status may not be displayed in some mobile phones.
- 3 Signal strength : displays the mobile phone signal strength. The signal strength may not be displayed in some mobile phones.
- 4 Bluetooth® connection state : becomes displayed when a Bluetooth® phone has been connected with the car system.
- 5 Name of connected mobile phone : displays the name of the connected mobile phone.

- 6 Phone number input window : displays the inputted phone number.
- 7 Dial : input the phone number through the dial pad.
- 8 SEND : if a number has not been entered into the phone number input window. Pressing the send button displays the call history list screen.
- 9 Del : deletes the inputted number one digit at a time.
- 10 END : if a number has been inputted, then erases the entire number.
- 11 Contacts : displays the phone book screen. The user can search previously saved phone numbers. The phone contact list may not be displayed in some mobile phones.

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When receiving an incoming call



- 1 Accept: accepts the incoming call.
- 2 Reject: rejects the incoming call.

When already on a call



- 3 Busy icon: when already on a call, displays an icon shaped like a receiver.

- 4 Name of incoming caller: displays the name of incoming caller. The name of the incoming caller will not be displayed if the caller's phone number has not been previously registered in the phone book.
- 5 Number of incoming caller: displays the number of the incoming caller.
- 6 Call state: displays the call state, such as talk time, phone connection, and end time.
- 7 END: ends the call.
- 8 Private: when talking on the car hands-free, use this function to switch the call to the mobile phone.



When there is a call waiting



- 9 Switch: use this button to switch between callers when there are calls on call waiting.
- 10 END: use this button to end the calls with all callers.

Making a call

Making a call by dialing a phone number



1. Use the number pad on the right side of the PHONE screen to input the number you wish to call.



2. Press the **SEND** button or the **SEND** key on the steering wheel to make the call.

INFORMATION

To modify, press the **Del** button to delete the inputted number one digit at a time. Press the **END** button or the **SEND** key on the steering wheel to cancel the call.

Making a call from Speed Dial



1. Use the number pad on the right side of the PHONE screen to input a speed dial number.

INFORMATION

Only speed dial numbers already stored on the mobile phone can be used for speed dial calls. Up to 2-digit speed dial numbers are supported.

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2. Press the **SEND** button or the key on the steering wheel to make the call.

INFORMATION
For 2-digit speed dial numbers, press and hold the 2nd digit to make a call to the speed dial number.

Making a call by redialing



1. Press and hold (over 0.8 second) the **SEND** button on the PHONE screen or the key on the steering wheel.

INFORMATION
Redialing is not possible when there is no call history or the call history list is being downloaded from the mobile phone. When there is no call history list, the **SEND** button will be inactive.



2. The recently called number is redialed.

INFORMATION
It is not possible to display the Audio mode and Settings screen when on a phone call. Only the call volume and Navigation (MAPVOICE, DEST, ROUTE) screens can be operated.

Answering a call

Answering an incoming call



1. The following screen will be displayed when you receive an incoming call.



2. To answer the incoming call, press the **Accept** button or the key on the steering wheel.

Rejecting an incoming



1. The following screen will be displayed when you receive an incoming call.



2. To reject the incoming call, press the **Reject** button or the key on the steering wheel. The incoming call will be rejected.

INFORMATION
Upon receiving a call, the [Reject] function may not be supported in some mobile phones.

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Operating menus during a call

Switching call to the mobile phone



1. If you wish to switch the call to the mobile phone while talking on the car handsfree, press the **Private** button or press and hold (over 0.8 second) the **Use handsfree** key on the steering wheel.



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2. As shown, the call will be switched to the mobile phone.

INFORMATION

If you wish to switch the call to the car handsfree while talking on the mobile phone, press the **Use handsfree** button or press and hold (over 0.8 second) the **Use handsfree** key on the steering wheel. The call will be switched to the car handsfree.

Activating Call waiting



1. If another person calls while already on a call, the following screen will be displayed.
2. Press the **Accept** button or the **Use handsfree** key on the steering wheel to receive the incoming call by switching to the new caller.



3. To switch again to the other caller, press the **Switch** button or the **Use handsfree** key on the steering wheel. The other call will be received and the previous call will switch back to call waiting.

INFORMATION

Press the **End** button or the **Use handsfree** key on the steering wheel to end the current call and call waiting.

Ending a call



1. To end a call, press the **End** button or the **Use handsfree** key on the steering wheel.



2. The call will be ended.

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Phone Book

Making a call from the Phone book



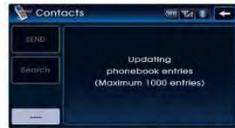
1. Press the **CONTACTS** button on the PHONE screen.



2. The phone book list will be displayed.

i INFORMATION

• The system may begin to slow down when downloading the phone book in some mobile phones.



• Upon connecting a mobile phone, the phone book lists saved in the mobile phone will automatically be downloaded (Maximum 1000 entries). The phone book download function may not be supported in some mobile phones.

• If you do not wish to automatically download the mobile phone contacts to the vehicle, turn the Contacts Sync setting OFF. (Phone>Settings>Advanced setup>Contacts Sync)



3. Select the number you wish to call from the phone book list and press the **SEND** button.



4. The call will be made to the selected number.

i INFORMATION

• When there are more than 2 numbers saved in one phone number list, if the list is repeatedly selected, the registered phone numbers will be displayed sequentially on the list.

• The Mobile Phone/Office/Home categories received via the mobile phone may differ from the information actually stored in the mobile phone.

• Select the phone number you wish to connect by repeatedly selecting the phone number list and press the **SEND** button to make the call to the selected number.

Searching the Phone Book



1. Press the **CONTACTS** button on the PHONE screen.



2. Press the **SEARCH** button on the Contacts screen.



3. Phone numbers can be searched by either **Search by name** or **Search by number**. From the two methods, select the search method you wish to use.

Searching by name



1. Press the **Search by name** button on the Phonebook search screen.

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2. Input the name you wish to search and press the **Done** button.



3. The search results will be displayed on the screen.

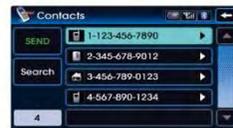
Searching by number



1. Press the **Search by number** button on the Phonebook search screen.



2. Input the phone number you wish to search and press the **Done** button.



3. The search results will be displayed on the screen.

Call History List

Making a call from Call history



1. Press the **SEND** button on the PHONE screen or press the **CALL** key on the steering wheel.



2. The call history list will be displayed. Select the number you wish to call from the call history list and press the **SEND** button.



3. The call will be made to the selected number.

Sorting call history



1. The call history can be displayed by sorting the incoming calls, outgoing calls and missed calls.

2. When pressing the **Dialled**, **Received**, or **Missed** button, the corresponding call history list will be displayed.

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Dialed number



Missed number



Received number



i INFORMATION

If there are no entries saved in the **Dialed**, **Received**, or **Missed** lists, the corresponding button will be inactive. Up to 20 entries can be saved in each list.

Phone Music

Before playing Phone music

Music saved in the mobile phone can be played in the car through Bluetooth® audio streaming.

Phone music can be played only when a Bluetooth® phone has been connected. To play phone music, connect the Bluetooth® phone to the car system. For more information on connecting Bluetooth®, please refer to the user's manual (Pairing and Connecting a Bluetooth® phone).

If the Bluetooth® is disconnected while playing phone music, the music will be discontinued.

The audio streaming function may not be supported in some mobile phones.

Only one function can be used at a time between the Bluetooth® handsfree or Phone music function.

For example, if you convert to the Bluetooth® handsfree while playing Phone music, the music will be discontinued. Playing music from the car is not possible when there are no music files stored in the mobile phone.

Starting Phone Music



1. Repeatedly press the **MEDIA** key on the front panel or the **MODE** key on the steering wheel to enter Phone music mode.

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i INFORMATION

Each press of the **MEDIA** key on the front panel will change the function in the order of DISC → USB or iPod → AUX → Phone Music → DISC ...

Each press of the **MODE** key on the steering wheel will change the audio mode in the order of FM1 → FM2 → AM → XM1 → XM2 → XM3 → DISC → USB or iPod → AUX → Phone Music → FM1...

It is not possible to enter Phone music mode if the mobile phone is not connected or if the audio streaming setting within Bluetooth® handsfree settings has been set to [Disable streaming audio].

For more information on audio streaming setting, please refer to the user's manual [Bluetooth® settings > Setting Audio streaming].



2. The Phone music screen is displayed.

i INFORMATION

While music saved in the mobile phone will automatically begin playing after converting to the Phone music screen, this music player function may not be supported in some mobile phones. If music does not begin playing even after converting to the Phone music screen, try starting the music directly from the mobile phone.

Phone music screen layout



- 1 Information Bar : displays information for the currently playing song.
- 2 File Down button : plays the previous song.
- 3 Play/Pause button : plays/pauses the song.
- 4 File Up button : plays the next song.
- 5 Sound button : sets the FAD/BAL and BAS/MID/TRE.

Selecting Phone music files



- 1. Press the **FILE** or **MODE** buttons on the Phone music screen or the **PHONE** key on the system. The previous or next song will be played each time the button or key is pressed.

i INFORMATION

The file selection function may not be supported in some mobile phones.

PART 6 BLUETOOTH® HANDSFREE

Bluetooth® settings

Pairing and connecting a mobile phone

For more information on pairing and connecting a mobile phone, please refer to [Pairing and Connecting a Bluetooth® phone].

Setting mobile phone auto connect priority

INFORMATION
After turning on the car ignition and the system is booted up, the Bluetooth® connection between the car system and mobile phone is automatically made. The Bluetooth® connection will be conducted in the order of mobile phone priority. The auto connect priority will be supported only for previously paired mobile phones.



1. Press the **Settings** button on the PHONE screen.



2. Press the **Priority** button on the Settings screen.



3. The paired mobile phone list and the mobile phone connection priority will be displayed. When wishing to change the priority order, select the mobile phone from the list and use the **▲** **▼** buttons to change its priority. Press the **Done** button to save the changed mobile phone priority.

Setting Handsfree volume



1. Press the **Settings** button on the PHONE screen.



2. Press the **Volume** button on the Settings screen.

INFORMATION

The Bluetooth® handsfree volume can be adjusted only when a mobile phone has been connected. The **Volume** cannot be set if no mobile phone has been connected.



Use the **◀ ▶** buttons to set the desired volume on the Phone volume screen. Press the **Done** button to save.

INFORMATION

While on a call, turning the **POWER** knob to the left/right or pressing the **VOL+** key on the steering wheel will also adjust the call volume. Set the incoming call volume accordingly.

Setting Audio streaming



1. Press the **Settings** button on the PHONE screen.



2. Press the **Streaming audio** button on the Settings screen.

PART 6 BLUETOOTH® HANDSFREE



3. Streaming audio setting is selected.

INFORMATION

Enable streaming audio: repeatedly press the **MEDIA** key or the **MODE** key to enter Phone music mode. Phone music can be played through Bluetooth® audio streaming.

Disable streaming audio: even if the **MEDIA** key or the **MODE** key is repeatedly pressed, will not be available. Phone music through Bluetooth® audio streaming is not supported.

Advanced settings

Bluetooth® advanced settings can be changed. Enter advanced settings through the following way.



1. Press the **Settings** button on the PHONE screen.



2. Press the **Advanced setup** button on the Settings screen.

INFORMATION

For safety reasons, operation of Advance setup is not possible when the vehicle is in motion. Please park in a safe place to make changes to Advanced setup.

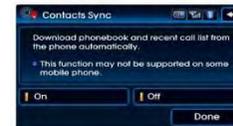


3. The Advanced setup screen will be displayed. In Advance setup, the following four settings can be made.

Setting Contacts Auto Download (Sync)



1. While in Advanced setup press the **Contacts Sync** button.



2. After turning Contacts Sync ON/OFF, press the **Done** button.

INFORMATION

• If Contacts Sync is turned ON, the contacts and call history in your mobile phone will automatically be downloaded to the vehicle each time you connect a Bluetooth® device.

Searching and modifying my device properties



1. Press the **Device information** button on the Advanced setup screen.



2. Displays the Device information such as the name and address of the car system. To modify the device name, press the **Change name** button.

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3. Use the key pad to input the Device name you wish to modify.



4. After inputting is complete, press the **Done** button to save.

Changing passkey



1. Press the **Change passkey** button on the Advanced setup screen.



2. Once the Change passkey screen is displayed, input the desired passkey and press the **Done** button.

i INFORMATION

The passkey is a 4-digit authentication code used for the Bluetooth® connection between the mobile phone and car system. The default passkey is set to 0000.

Deleting all paired phones



1. Press the **Delete all paired phones** button on the Advanced setup screen.



2. A pop-up asking whether you wish to delete all paired phone will be displayed. Press the **Yes** button to delete all paired phones or the **No** button to cancel.



3. If **Yes** button is pressed, all currently paired phones will be deleted.

Initializing Bluetooth® handsfree



1. Press the **Restore factory settings** button on the Advanced setup screen.



2. A pop-up asking whether you wish to initialize the Bluetooth® handsfree will be displayed. Press the **Yes** button to initialize the Bluetooth® handsfree system and the **No** button to cancel.

i INFORMATION

Upon initializing the Bluetooth® handsfree, the entire paired phone list will be deleted and all Bluetooth® related settings will be restored to factory state.



3. If **Yes** is pressed, the Bluetooth® handsfree settings will be initialized.

PART 6 BLUETOOTH® HANDSFREE

Important information

About pairing mobile phones

Q. I cannot search for mobile phones through the car system. What is the cause?

A. Check to see whether the mobile phone you wish to connect supports Bluetooth® function. If your mobile phone supports Bluetooth®, check to see that whether the Bluetooth® settings in the mobile phone have been set to hidden state or if the Bluetooth® power has been turned off. If the device has been set to hidden, release the hidden state and if the Bluetooth® power has been turned off, turn the power ON and try searching again.

Q. What is the difference between pairing a mobile phone and connecting a mobile phone?

A. Pairing is the process of creating a secure communication connection between the mobile phone and the car Bluetooth® system.

Through a two-way passkey between the car system and mobile phones, up to 5 mobile phones can be paired with the car system. The paired mobile phone will remain paired with the car system until the user deletes it manually.

In addition, the call history lists and phone number books saved in each mobile phone will also be maintained until the paired phone is deleted. For more information on pairing mobile phones, please refer to the manual [Pairing and Connecting a Bluetooth® phone > Pairing a mobile phone].

Connecting a mobile phone to Bluetooth® by selecting the desired mobile phone from the paired phones.

Within the car system, only one Bluetooth® phone can be connected at one time.

For more information, please refer to the manual [Pairing and Connecting a Bluetooth® phone > Pairing a mobile phone].

Q. What is a Passkey?

A. A passkey is an authentication code used for two-way communication of the car system and the mobile phone.

Only 4-digit numbers can be used as passkeys. Passkeys are registered only once when pairing the phone number for the first time. The factory-set passkey is 0000.

About making/answering phone calls

Q. How can I answer a call?

A. When you receive an incoming call, press the  key on the steering wheel or the **Accept** button on the PHONE screen to answer. To reject the incoming call, press the  key on the steering wheel or the **Reject** button on the PHONE screen.

Q. What should I do if I am talking on the Handsfree but wish to switch the call to the mobile phone?

A. To switch the call to the mobile phone, press the **Private** button on the PHONE screen or press and hold (over 0.8 second) the  key on the steering wheel. If you wish to switch the call back to the car handsfree, press the **Use handsfree** button on the PHONE screen or press and hold (over 0.8 second) the  key on the steering wheel.

About Bluetooth device environment

Q. What is the range for Bluetooth® wireless connection?

A. The wireless connection range is within approximately 30 feet.

Q. How many mobile phones can be paired?

A. It is possible to pair up to five phones with the car system.

Q. What is the reason why the call quality deteriorates?

A. First, check to see the signal strength of the mobile phone. The call quality may deteriorate when the signal strength is low. Call quality may also deteriorate if metal objects, such as drink cans, are placed near the mobile phone.

PART 6 BLUETOOTH® HANDSFREE

CAUTION!

Mobile Phone Compatibility

Depending on the manufacturer, product and product specification, some mobile phones functions may not be supported or may not operate to specification. Carefully read the cautions listed below.

- The occurrence of problems upon using mobile phones may be caused by the mobile phone and not by the Audio/Navigation Unit.
- Even mobile phones which support Bluetooth function may not operate properly if the mobile phone connection has been locked. Release the connection lock and try connecting the mobile phone with the system again.
- The Mobile phone battery icon and signal strength icon may not be properly displayed depending on the type of mobile phone.
- Call waiting is supported only when the connected mobile phones support this feature. The call waiting pop-up may not be displayed in some mobile phones.
- Audio streaming mode will operate only when a Bluetooth® phone has been connected. Connecting or disconnecting a Bluetooth phone while audio streaming is operating will stop music play.
- The audio streaming function may not be supported in some mobile phones.
- The phonebook may take a prolonged period of time to download or may not operate in some mobile phones.
- The quality of Bluetooth® handsfree calls may differ depending on the mobile phone.

PART 7
HYBRID

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HYUNDAI
MOBIS

HYBRID

PART 7 HYBRID

About Hybrid

A hybrid vehicle uses both electric and engine power to enable highly efficiently driving in accordance to the vehicle environment.

Entering the Hybrid mode



1. Press the **HYBRID** key on the control panel. The most recently operated hybrid info screen will be displayed.
2. Hybrid is comprised of 4 Info screens of Earth, Car, Energy Flow, and Fuel Economy.



Hybrid Info Screens

Earth

Displays the engine, motor power delivery state according to hybrid vehicle driving state and 8-stage ECO driving information.



- 1 ECO Level : Displays the 8-stage ECO driving state.
- 2 Engine: Displays the engine operating state.
- 3 Motor: Displays the Hybrid electric motor operating state.
- 4 Engine Power: Displays the state of power delivery from the engine.
- 5 Motor Power: Displays the state of power delivery from the motor.

INFORMATION

The ECO levels of Earth mode are displayed by stages in the following way. The stage increases according to economic and eco-friendly driving.



CAR

Displays the 8-stage ECO driving info during hybrid vehicle driving.

INFORMATION

The ECO levels of Car mode are displayed by stages in the following way.



Energy Flow

Displays the power delivery state of each component during Hybrid vehicle driving.



- 1 Engine Displays the engine operating state.
- 2 Motor: Displays the Hybrid electric motor operating state.
- 3 Battery: Displays the Hybrid battery operating state and levels.
- 4 Displays the power delivery flow between each component.
 - Green Line : Displays the power using electric power from the battery.
 - White Line : Displays the power from the engine.
 - Blue Line : Displays the battery power and charging energy from the wheels.

PART 7 HYBRID

Displays the driving state of the Hybrid vehicle.

INFORMATION

The driving states of the Hybrid vehicle are as follows.

Idle Mode

The vehicle is in a waiting state with no power delivery.



Hybrid Mode

The vehicle is being driven with simultaneous use of the engine and motor power.



Engine Mode

The vehicle is being driven through use of only the engine power.



Engine Mode Charging

The vehicle is being driven through use of only the engine power while the battery is being charged simultaneously.



Idle Mode Charging(1)

The vehicle is in a waiting state while the battery is being charged through the engine power.



Charging HV Battery

The battery is charged by using the deceleration energy from the vehicle brakes.



Engine Braking

The vehicle speed is slowed by reducing engine power.



Electric Mode

The vehicle is being driven by using the motor power which uses the battery power. The engine power is not used.



Electric Mode Charging

While charging the battery through the engine power, the vehicle is simultaneously driven through the motor power.



Idle Mode Charging(2)

The battery is charged by using the deceleration energy from engine power and vehicle brakes.



Engine Braking Charging

The battery is charged by slowing the vehicle speed by reducing engine power and simultaneously using deceleration energy.



PART 7 HYBRID

Fuel Economy

Displays fuel info during vehicle driving.



- Instantaneous Fuel Economy: Displays the instantaneous fuel economy for current driving.
- Average Fuel Economy: Displays average fuel economy from point of starting ignition until current time.
- Fuel Economy Graph: Displays fuel economy info for the last 30 minutes. A new graph is shown every 2 and half minutes.
- Reset Button: Resets the displayed Instantaneous Fuel Economy, Average Fuel Economy and Fuel Economy Graph info.

i INFORMATION

- For the Fuel Economy Graph, improved fuel economy will change the graph from gray to green.
- Fuel economy info is reset upon turning off the vehicle ignition.

PART 8
HVAC MODE

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HVAC MODE

PART 8 HVAC MODE

Cautions upon operating HVAC mode

Upon operating the HVAC system, the display is as shown below.



1. Press the **CLIMATE** key to display the HVAC system status on the entire screen.



2. When in the AV, Navigation, or Bluetooth® handsfree mode screen, press a HVAC key, such as **TEMP**, **AUTO**, or **A/C** to display the HVAC system status bar at the top of screen.



HVAC mode screen layout



- 1 Fan direction display : displays the set fan direction.
- 2 Driver-side temperature display : displays the driver-side temperature.
- 3 AUTO display : displays whether the heating/cooling auto function is ON/OFF.

- 4 Airflow level and Ionizer Display : displays the airflow level and ionizer state.
- 5 DUAL : upon turning on DUAL, the driver-side and passenger-side temperature can be set separately.
- 6 Passenger-side temperature display : displays the passenger-side temperature.
- 7 Displays the outside temperature.

HVAC System operations

Adjusting cabin temperature

1 INFORMATION

- Cabin temperature can be adjusted within a range of 17.5°C ~ 31.5°C in units of 0.5°C .
- Setting the temperature below 17.5°C will display the message "LOW" on the temperature display while setting the temperature above 31.5°C will display the message "HIGH" on the temperature display.
- Although the driver-side and passenger-side temperature can be set independently when the **DUAL** key is active, the temperature on both sides will be set simultaneously when the **DUAL** key is inactive.

Adjusting driver-side and passenger-side temperature simultaneously



1. Turn off the DUAL setting.



2. When adjusting the driver-side temperature with DUAL turned off, the passenger-side temperature will be set simultaneously.

PART 8 HVAC MODE



1 INFORMATION

When adjusting the passenger-side temperature, the DUAL setting will turn on automatically to allow the driver-side and passenger-side temperatures to be set independently.

Adjusting driver-side and passenger-side temperature separately



1. Turn ON the DUAL setting.



2. When adjusting the driver-side temperature in DUAL ON state, the driver-side temperature can be adjusted separately.



1 INFORMATION

While adjusting the driver-side temperature, the DUAL key will turn be inactive when the driver-side temperature becomes set to LOW or HIGH.

Setting fan direction



1. Press the MODE key. The fan direction will be changed.



2. The changed fan direction will be displayed on the screen.



Setting fan level



1. Press the fan level key. The fan level will be changed.



MEMO

PART 9
PGS (PARKING GUIDE SYSTEM)

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PGS (Parking Guide System)

PART 9 PGS (Parking Guide System)

About PGS (Parking Guide System)

- PGS System is a system which provides monitored parking guidance.
- The PGS will operate automatically when the Ignition Key is turned ON and the transmission lever is set to Reverse. The PGS will automatically stop operating when the transmission shift lever is set outside of reverse.
- The PGS (Parking Guide System) is an optional feature.

Operating sequence of the PGS

1. Position the ignition key in ACC or ON.
2. Position the transmission lever to R.
3. The PGS mode will be displayed on the screen.

INFORMATION

Guidance track is as follows :

- Red line - 1.64 feet from the rear bumper
- Yellow line - 3.28 feet from the rear bumper
- Blue line - 9.84 feet from the rear bumper
- Red line - Track following left side driver side wheel
- Yellow line - Track following right side passenger side wheel

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PART 10 APPENDIX

Troubleshooting guide

Before thinking the product has malfunctioned

1. Errors which occur during the operation or installation of the device may be mistaken as a malfunction of the actual device.
2. If you are having problems with the device, try the suggestions listed below.
3. If the problems persist, contact your HYUNDAI dealer.

Problem	Function
There are small red, blue, or green dots on the screen	Because the LCD is manufactured with technology requiring high point density, a pixel deficiency or lighting may occur within 0.01% of total pixels.
The sound or image is not working	<ul style="list-style-type: none"> • Has the Switch for the vehicle been turned to [ACC] or [ON]? • Has the SYSTEM been turned OFF?
The video is being displayed but sound is not working	<ul style="list-style-type: none"> • Has the volume been set to a low level? • Has the volume been set on mute?
When the power is turned on, the corners of the screen are dark	<ul style="list-style-type: none"> • The display looking somewhat darker after prolonged periods of use is a normal phenomenon with LCD panels. It is not a malfunction. • If the screen is very dark, contact your nearest HYUNDAI dealer for assistance.
Sound is working from only one speaker	Is the position of FAL/BAL sound controls or volume adjusted to only one side?
Sound and video does not work in AUX mode	Are the audio and video connector jacks fully inserted into the AUX terminal?
The external device is not working	Is the external device connected with a standard connector cable?
The road is missing	Some map data may be missing or incorrect.
The road name is spoken incorrectly	The TTS(Text To Speech) engine speaks the street name based on the phonetic spelling. This will continuously be update with the map database.

10-2 APPENDIX

Troubleshooting

Problem	Possible Cause	Solution
The power does not turn on.	The fuse is blown.	Replace with a suitable fuse. If the fuse is blown again, please contact your nearest HYUNDAI dealer for assistance.
	Device is not properly connected.	Check to see that the device has been properly connected.
XM only goes through one category	The XM mode is in category.	Press the mode button to change to channel mode.
The CD does not play.	The DISC has not been inserted or has been inserted upside down.	Insert the disc properly so that the sides are facing the correct direction.
	The DISC has been contaminated.	Wipe dirt and other foreign substances from the DISC.
	The vehicle battery is low.	Charge the battery. If the problem persists, please contact your nearest HYUNDAI dealer for assistance.
The video does not work.	A disc which is not supported by the device has been inserted.	Insert a disc which is supported for play by the device.
	The brightness level has been set to the lowest level.	Adjust the brightness to a higher level.
The sound does not work.	The volume level is set the lowest level.	Adjust the volume level.
	The connector is not properly connected.	Check the connection.
	The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.	The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.

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Problem	Possible Cause	Solution
The sound or video quality is low.	The DISC is dirty or scratched.	Wipe off water or dirt from the DISC. Do not use a disc which has been scratched.
	Vibration is occurring from the position in which the conversion switch has been installed.	The sound may be short-circuited and the image distorted if the device begins to vibrate. The device will return to normal operation once the vibration has stopped.
	The color and tone quality of the image is low.	Aging of the video display and deterioration in performance may cause certain quality degradations.
The USB does not work.	USB memory is damaged.	Please use after formatting the USB into FAT 12/16/32 format.
	USB memory has been contaminated.	Remove any foreign substances on the contact surface of the USB memory and multimedia terminal.
	A separately purchased USB HUB is being used.	Directly connect the USB memory with the multimedia terminal on the vehicle.
	A USB extension cable is being used.	Use standard USB Memory.
	A HDD type, CF, SD Memory is being used.	Use standard USB Memory.
The iPod is not recognized even though it has been connected.	There are no music files which can be played.	Only MP3,WMA file formats are supported. Please use only the supported music file formats.
	There are no titles which can be played.	Use iTunes to download and save MP3 files into the iPod.
	The iPod firmware version has not been properly updated.	Use iTunes to update the firmware version and reconnect the iPod with the device.
	The iPod device does not recognize downloads.	Reset the iPod and reconnect with the device.

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Map legend

Road color	
Day Road Type	Color
Freeway	
Arterial	
County	
Collector	
Local	
Unpaved local	
Ferry	
Night Road Type	
Day Road Type	Color
Freeway	
Arterial	
County	
Collector	
Local	
Unpaved local	
Ferry	

POI icons

No	Category	Sub Category	Icon	No	Category	Sub Category	Icon
1		Representation		16	Restaurants	Coffee Shop	
2		Fast Food		17	Restaurants	Others	
3		American		18		Representation	
4		French		19		Gas Station	
5		Italian		20		Parking	
6		Continental		21		Auto service	
7		Mexican		22		Road Assistance	
8	Restaurants	Japanese		23	Automotive	Hyundai Dealership	
9		Chinese		24		Automobile Dealership	
10		Korean		25		Auto Parts	
11		Vegetarian Food		26		Rest Area	
12		Seafood		27		Car Wash	
13		Latin American		28		Motorcycle Dealership	
14		Asian		29		Representation	
15		African		30	Travel	Airport	

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POI icons

No	Category	Sub Category	Icon	No	Category	Sub Category	Icon	No	Category	Sub Category	Icon	
31	Travel	Hotel		46	Shopping	Music Store		61	Recreation	Sports Complex		
32		Tourist Information		47		Grocery Store		62		Golf Course		
33		Travel Agent		48		Bookstore		63		Winery		
34		Tourist Attraction		49		Electronics		64		Video & Game Rental		
35		Popular Spot		50		Hardware Store		65		Ski Resort		
36		Rental Car Agency		51		Gifts		66		Recreation Area		
37		Campground		52		Sporting Goods		67		Other Recreation		
38		Ferry Terminal		53		Home Specialty Store		68		Representation		
39		Bus Station		54		Clothing		69		Bank		
40		Local Transit		55		Shoe Store		70		ATM		
41		Train Station		56		Representation		71		Check Cashing Service		
42		Shopping		57		Amusement Park		72		Money Transfer		
43		Department Store		58		Museum		73		Business Facility		
44		Shopping	Convenience Store			59	Cinema			74	Representation	
45		Shopping Center		60		Sports Activities		75		Police Station		

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POI icons

No	Category	Sub Category	Icon
76	Community	Post Office	
77		Library	
78		Court House	
79		Fire Department	
80		Convention Center	
81		City Hall	
82		Civic Center	
83		School	
84		Government Offices	
85		Waste & Sanitary	
86		Utilities	
87		Representation	
88		Hospital	
89		Dentist	
90		Photography	

Landmark icons

No	Category	Sub Category	Icon	No	Category	Sub Category	Icon
91	Service	Tax Service		1	Service	Airport	
92		Medical Service		2		Park	
93		Attorney		3		Golf	
94		Funeral Director		4		University	
95		Convention Center					
96		Hair & Beauty					
97		Cleaning & Laundry					
98		Social Service					
99		Physician					
100		Communication					
101		Tailor & Alteration					
		Mudanzas					

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10-12 APPENDIX

Microsoft® Windows® Automotive Operating System

Important Safety Information

Read and Follow Instructions

Before using your Windows Automotive-based system, read and follow all instructions and safety information provided in this end user manual ("User's Guide"). Not following precautions found in this User's Guide can lead to an accident or other serious consequences.

Keep User's Guide in Vehicle

When kept in the vehicle, the User's Guide will be a ready reference for you and other users unfamiliar with the Windows Automotive-based system. Please make certain that before using the system for the first time, all persons have access to the User's Guide and read its instructions and safety information carefully.

Warning:

Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences. Do not change system settings or enter data non-verbally (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions you might be required to distract your attention away from the road and remove your hands from the wheel.

General Operation

Voice Command Control

Functions within the Windows Automotive-based system may be accomplished using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the wheel.

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Prolonged Views of Screen

Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention. Even occasional short scans to the screen may be hazardous if your attention has been diverted away from your driving task at a critical time.

Volume Setting

Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.

Navigation Features

Any navigation features included in the system are intended to provide turn by turn instructions to get you to a desired destination. Please make certain all persons using this system carefully read and follow instructions and safety information fully.

Distraction Hazard

Some navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can seriously distract your attention and could cause an accident or other serious consequences. Stop the vehicle in a safe and legal manner before attempting these operations.

Let Your Judgment Prevail

Any navigation features are provided only as an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. Any such feature is not a substitute for your personal judgment. Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.

Route Safety

Do not follow the route suggestions if doing so would result in an unsafe or illegal maneuver, if you would be placed in an unsafe situation, or if you would be directed into an area that you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and therefore, must evaluate whether it is safe to follow the suggested directions.

Potential Map Inaccuracy

Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions. Always use good judgment and common sense when following the suggested routes.

Emergency Services

Do not rely on any navigation features included in the system to route you to emergency services. Ask local authorities or an emergency services operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are contained in the map database for navigation features.

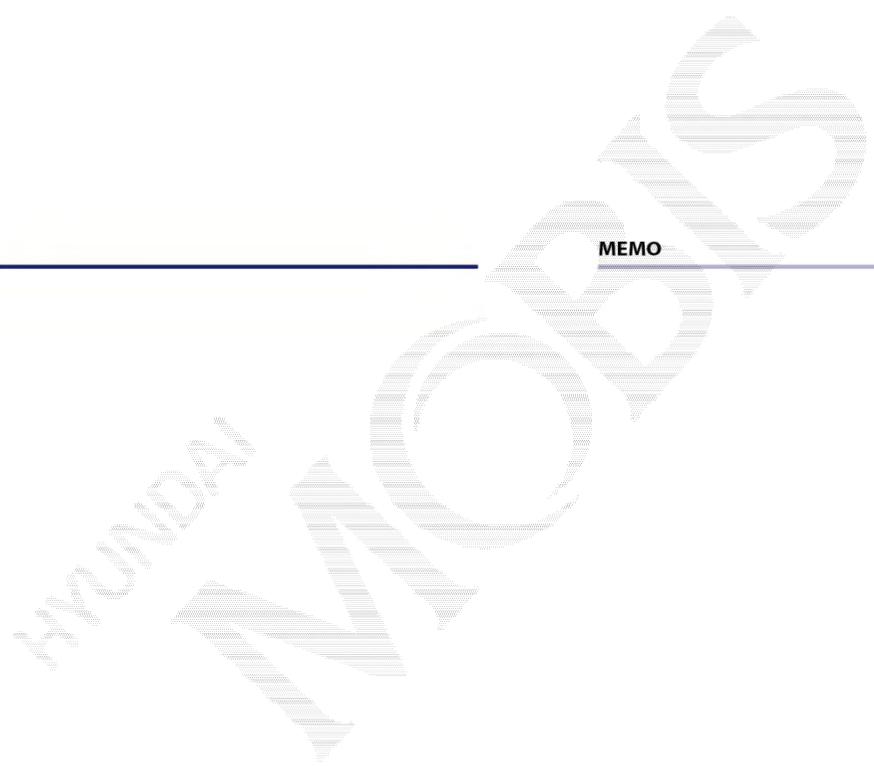
Use of Speech Recognition Functions

Speech recognition software is inherently a statistical process which is subject to errors. It is your responsibility to monitor any speech recognition functions included in the system and address any errors.

MAP DATABASE HOTLINE

M & SOFT AMERICA MAP CENTER
TEL : 888-757-0010
WEBSITE : www.mapsoft.com

MEMO



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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

IC Warning

Operation of this device is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.